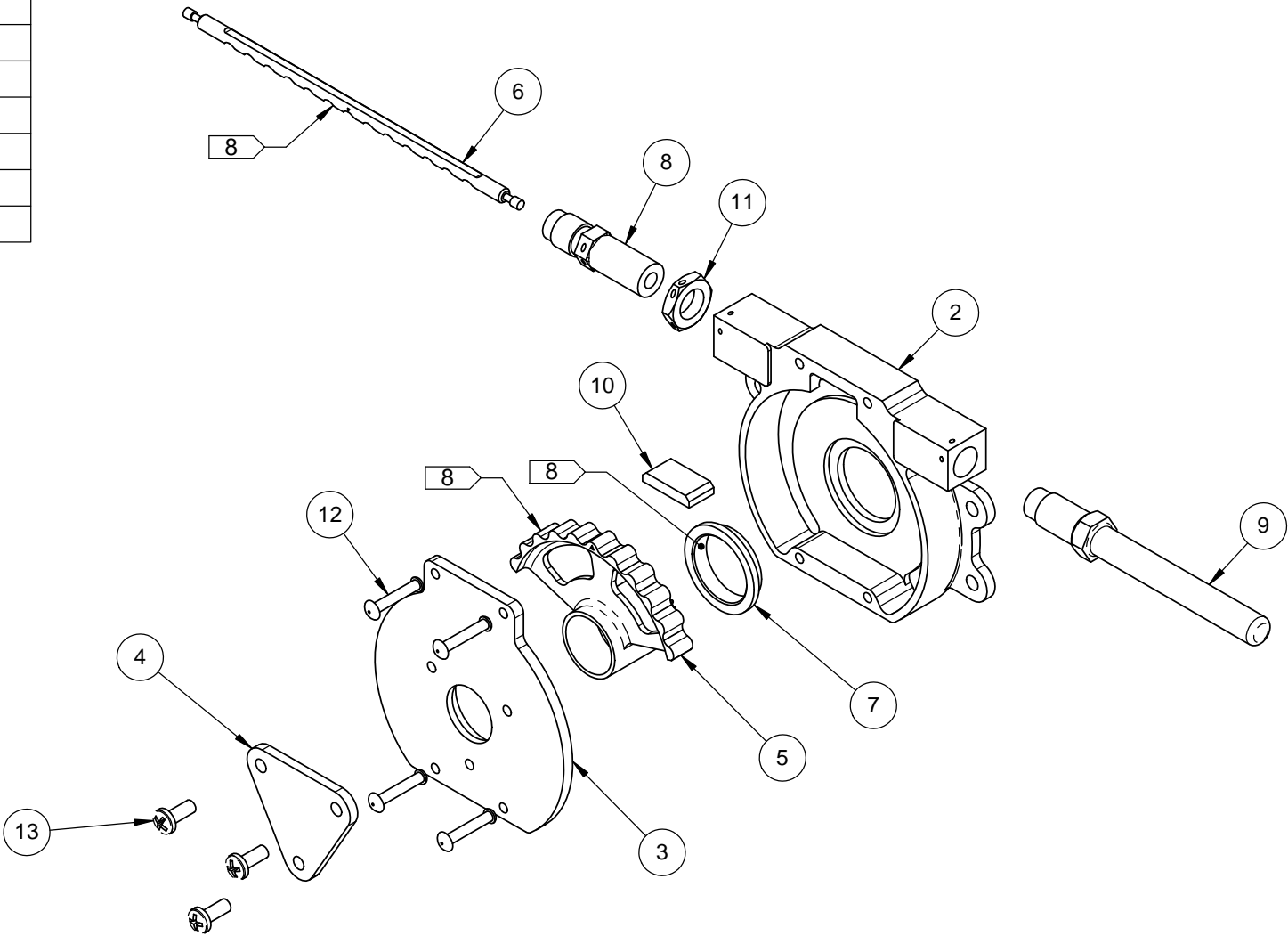


ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4191-041	CONTROL BOX ASSEMBLY
2	1	D4191-1	HOUSING
3	1	D4191-3	HOUSING COVER
4	1	D4191-5	ACCESS COVER
5	1	D4191-7	PINION
6	1	D4191-9	RACK
7	1	D4191-11	BUSHING
8	1	D4191-13	CABLE ADAPTER
9	1	D4191-15	RACK COVER
10	1	D4191-17	SHIM BLOCK
11	1	NAS509-7	NUT
12	4	MS20470AD4-14	RIVET
13	3	MS27039-0806	SCREW

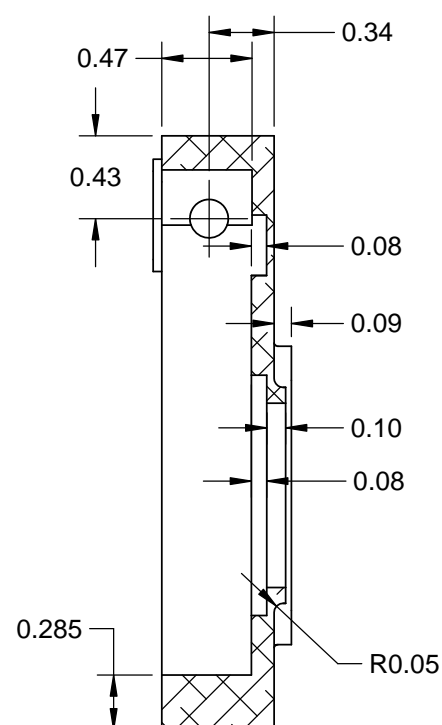
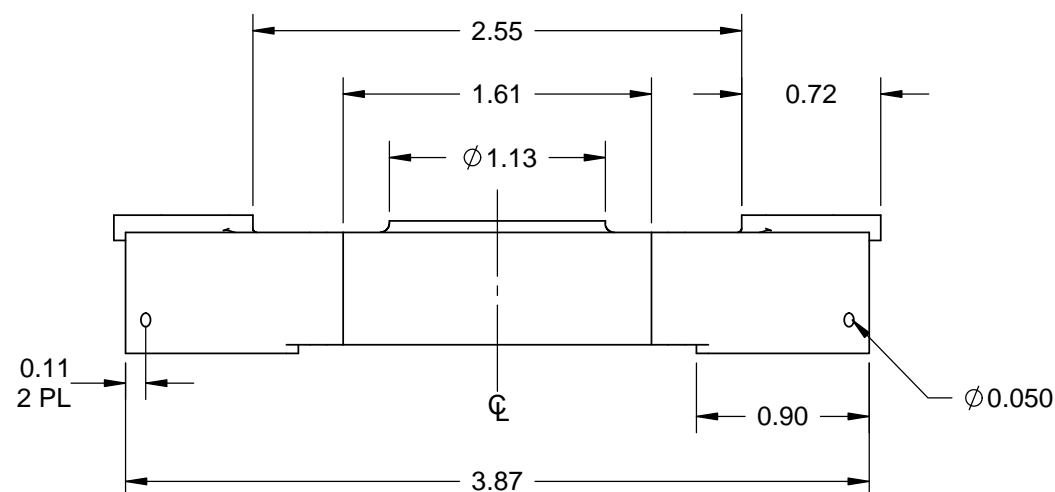
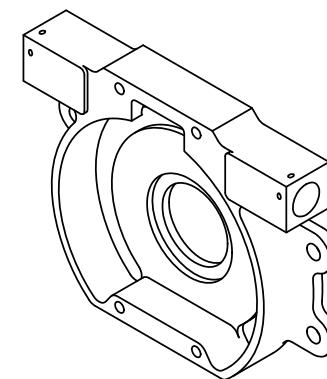


D4191-041 CONTROL BOX ASSEMBLY

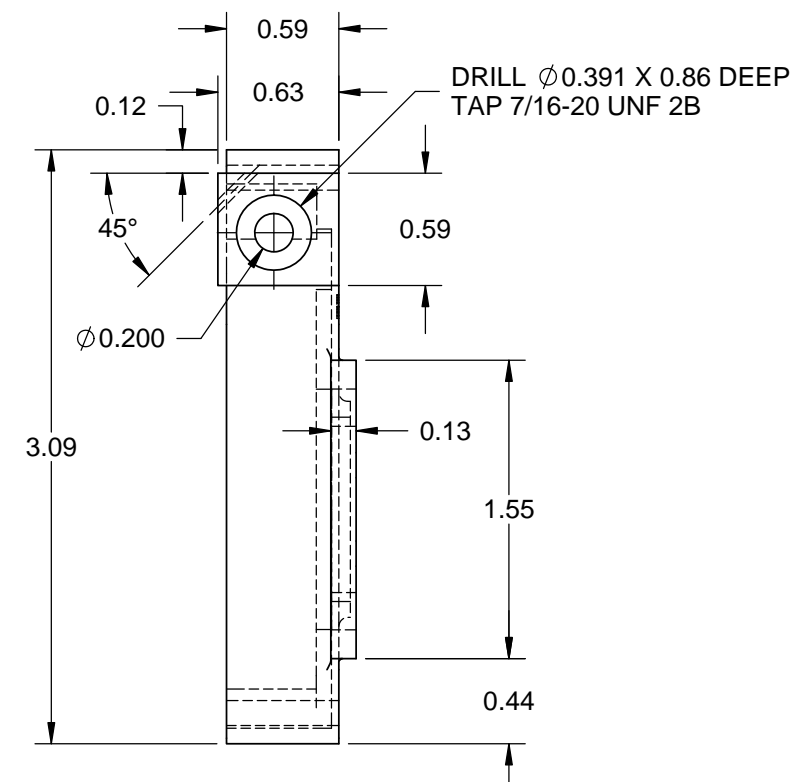
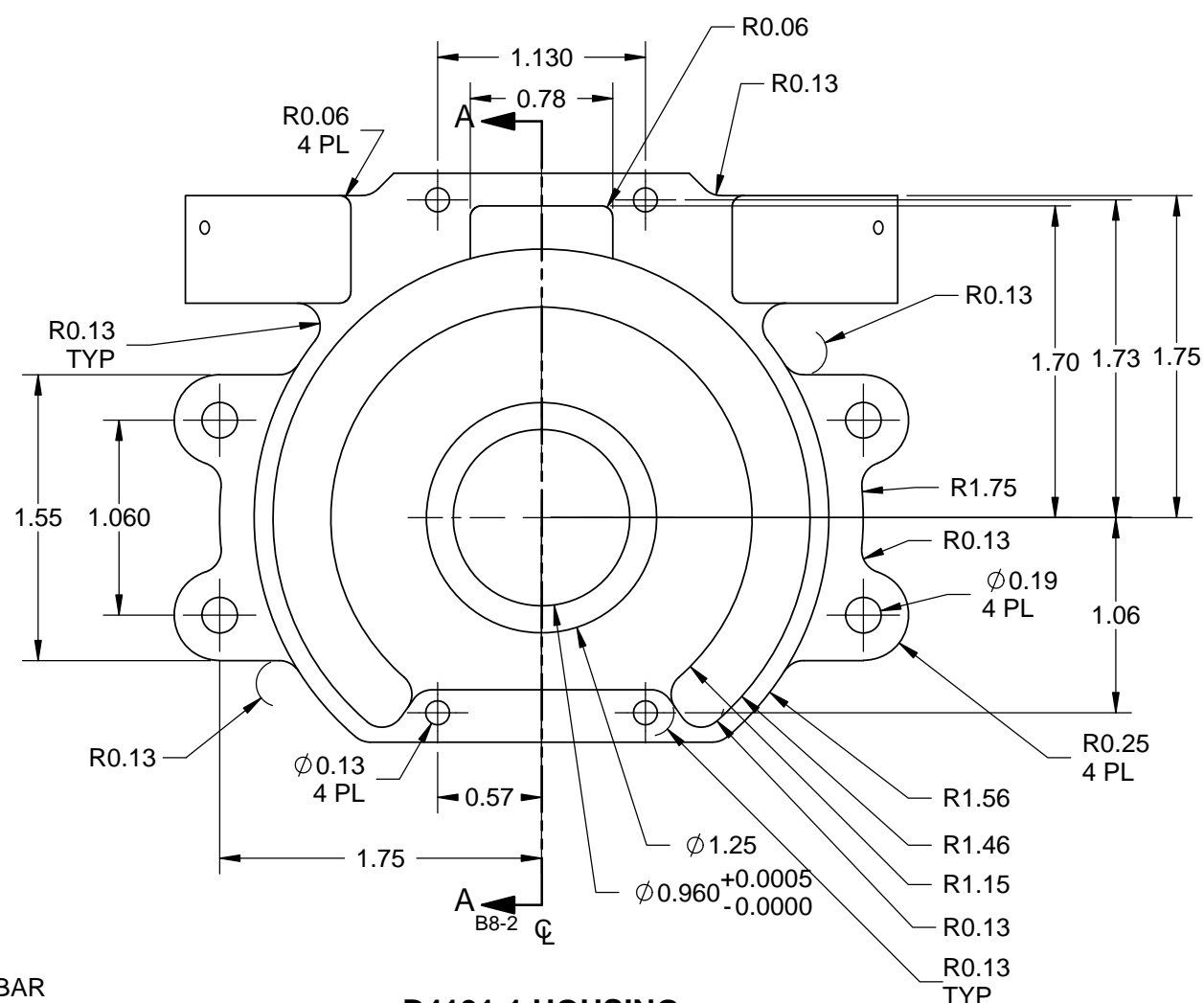
PRELIMINARY ISSUE
10.11.17

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 1.26 lbs
 - 8) GENEROUSLY LUBRICATE MATING SURFACES AS INDICATED WITH PLASTILUBE MOLY 3 ON ASSEMBLY
 - 9) ALIGN INDEX MARKS ON RACK AND PINION DURING ASSEMBLY

PA4	NEW ISSUE		10.11.17
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. PA4
MFG. APPR.		D4191	SHEET 1 OF 12
APPROVED		TITLE	SCALE
DE APPR.		CONTROL BOX	NTS
DATE	10.11.17	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



SECTION A-A A5-2




NOTES:

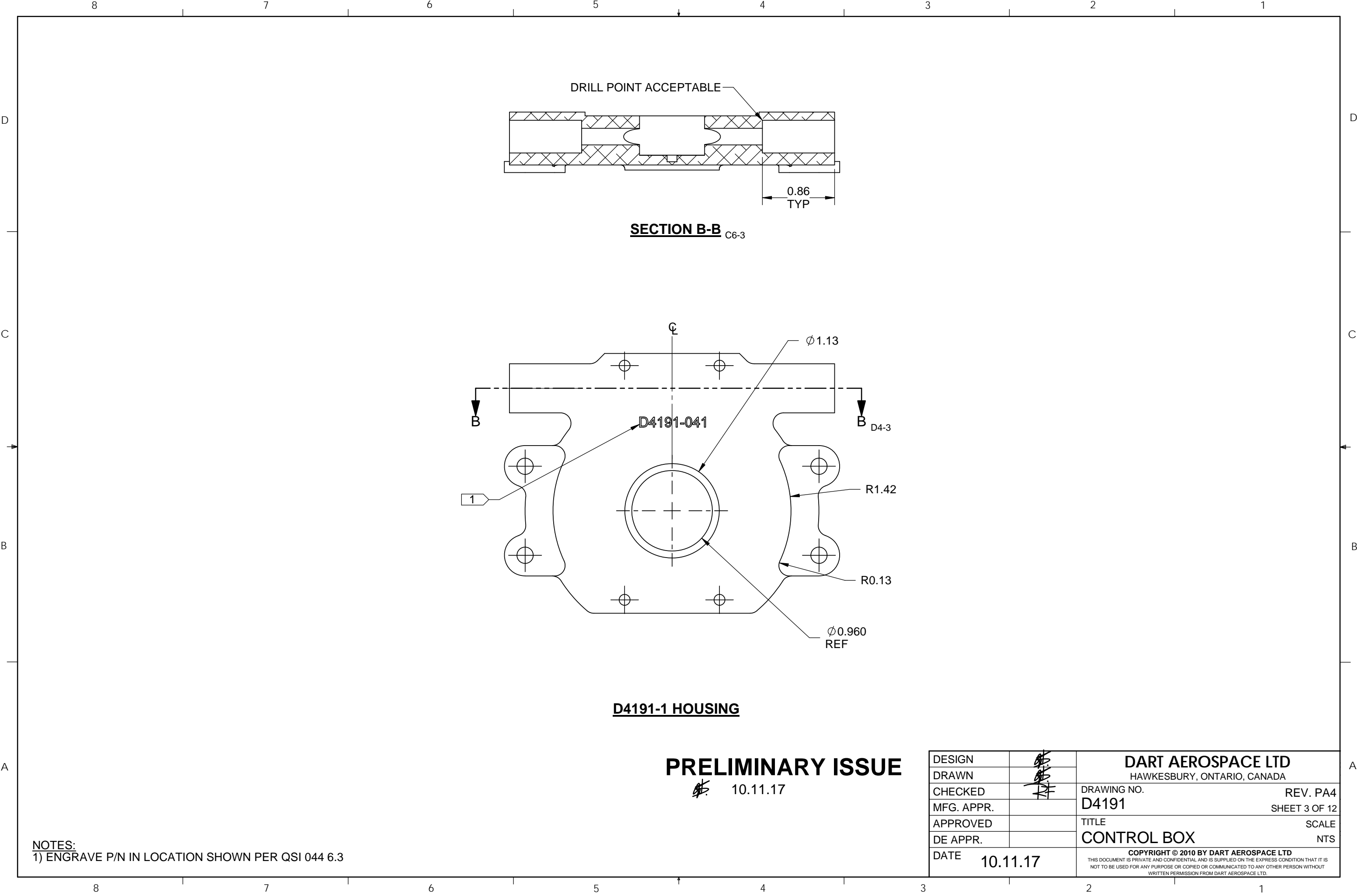
- NOTES:**
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8
OR AMS 4160
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.31 lbs

D4191-1 HOUSING

PRELIMINARY ISSUE

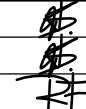
~~10.11.17~~ 10.11.17

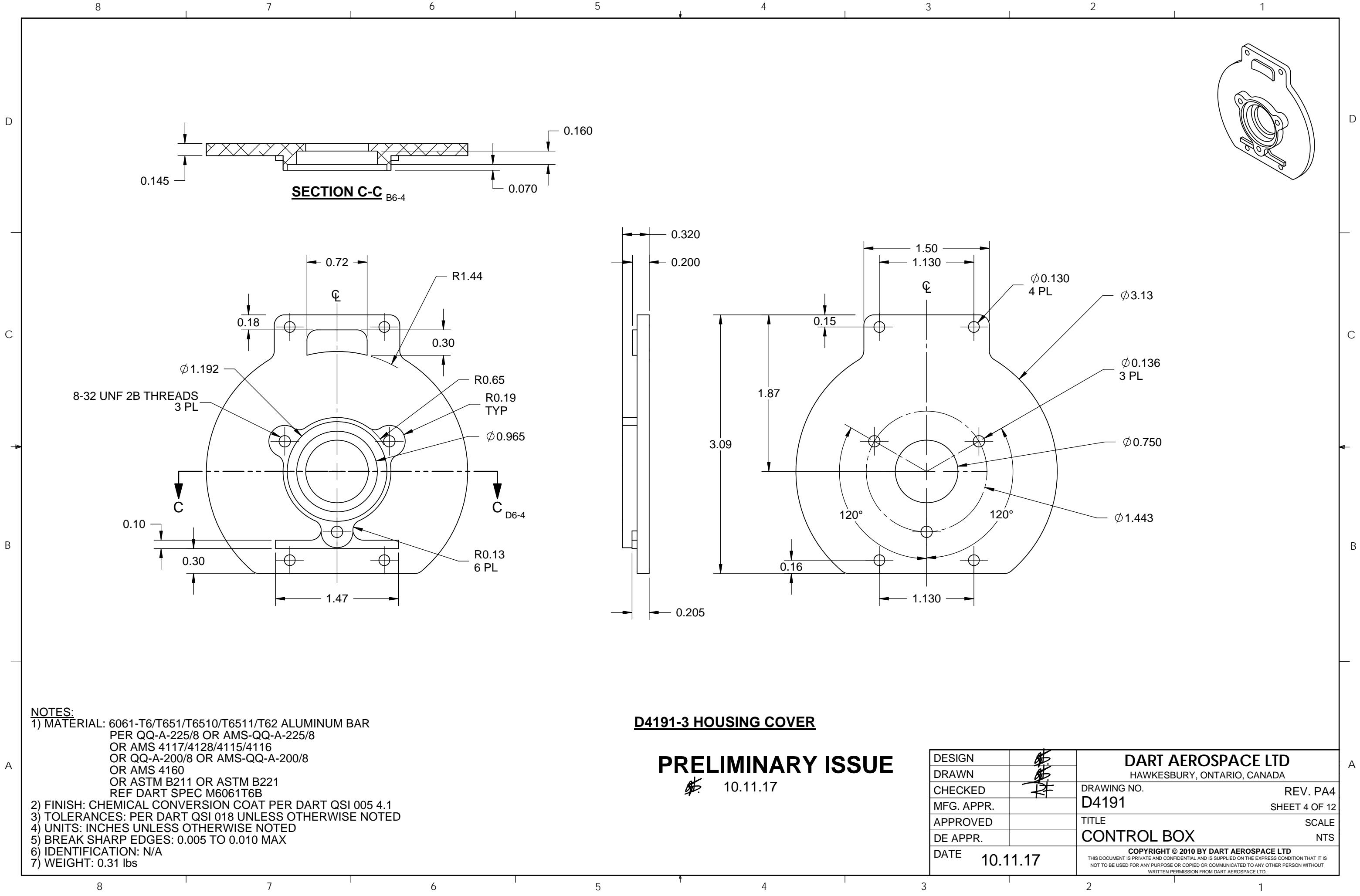
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA
MFG. APPR.		D4191	SHEET 2 OF 12
APPROVED		TITLE	SCALE
DE APPR.		CONTROL BOX	NTS
DATE	10.11.17	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

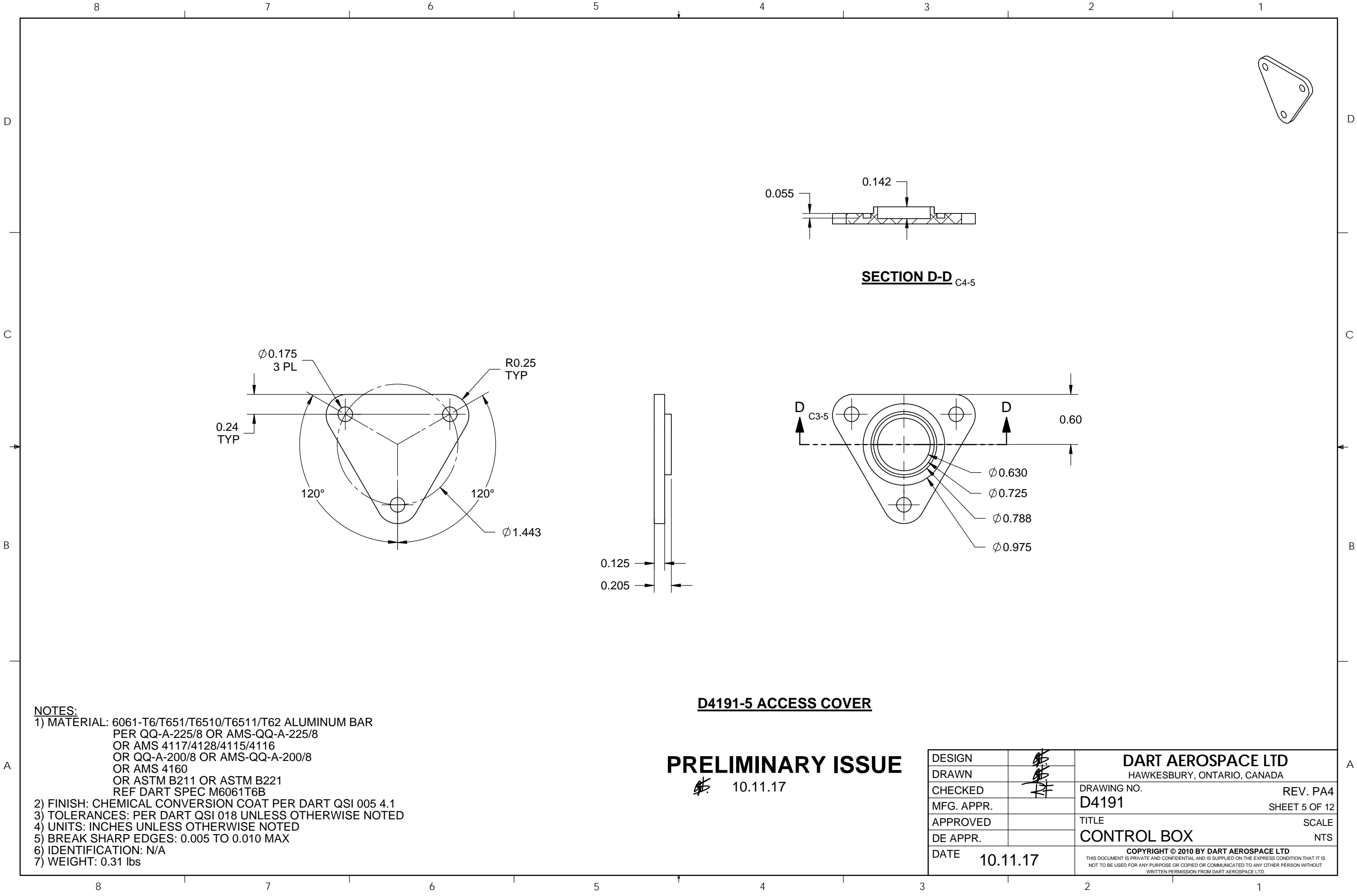


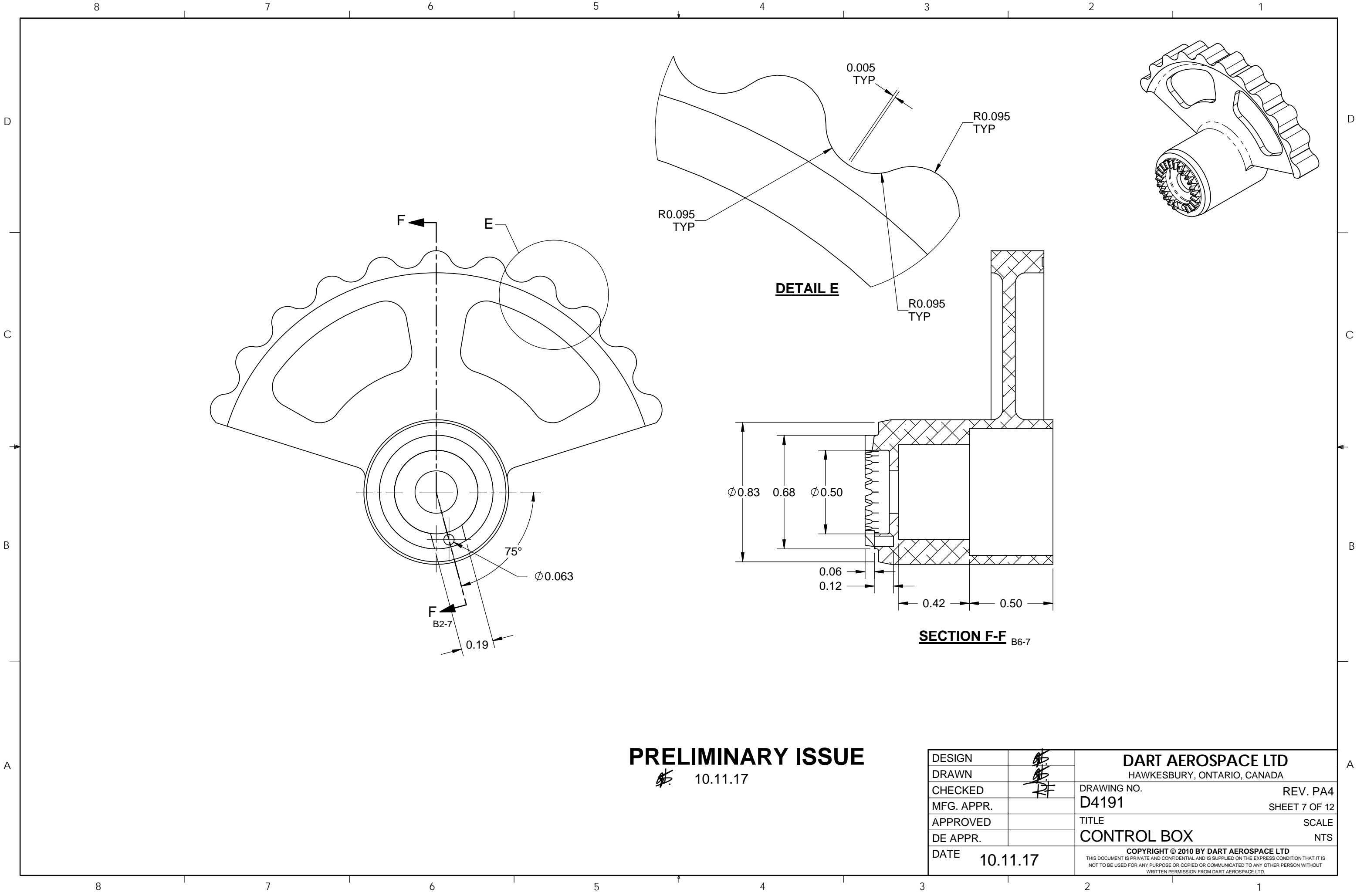
NOTES:
1) ENGRAVE P/N IN LOCATION SHOWN PER QSI 044 6.3

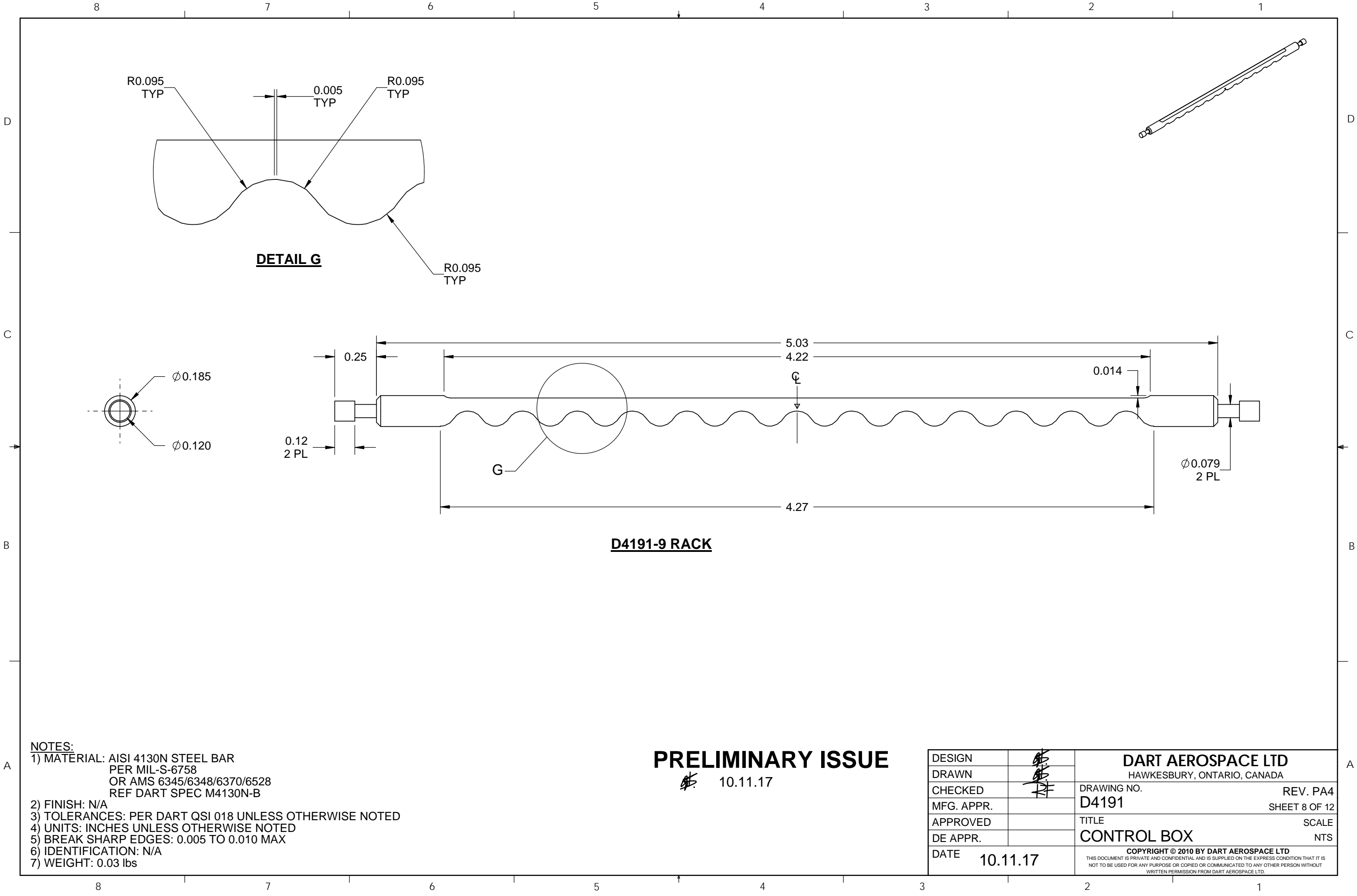
PRELIMINARY ISSUE
10.11.17

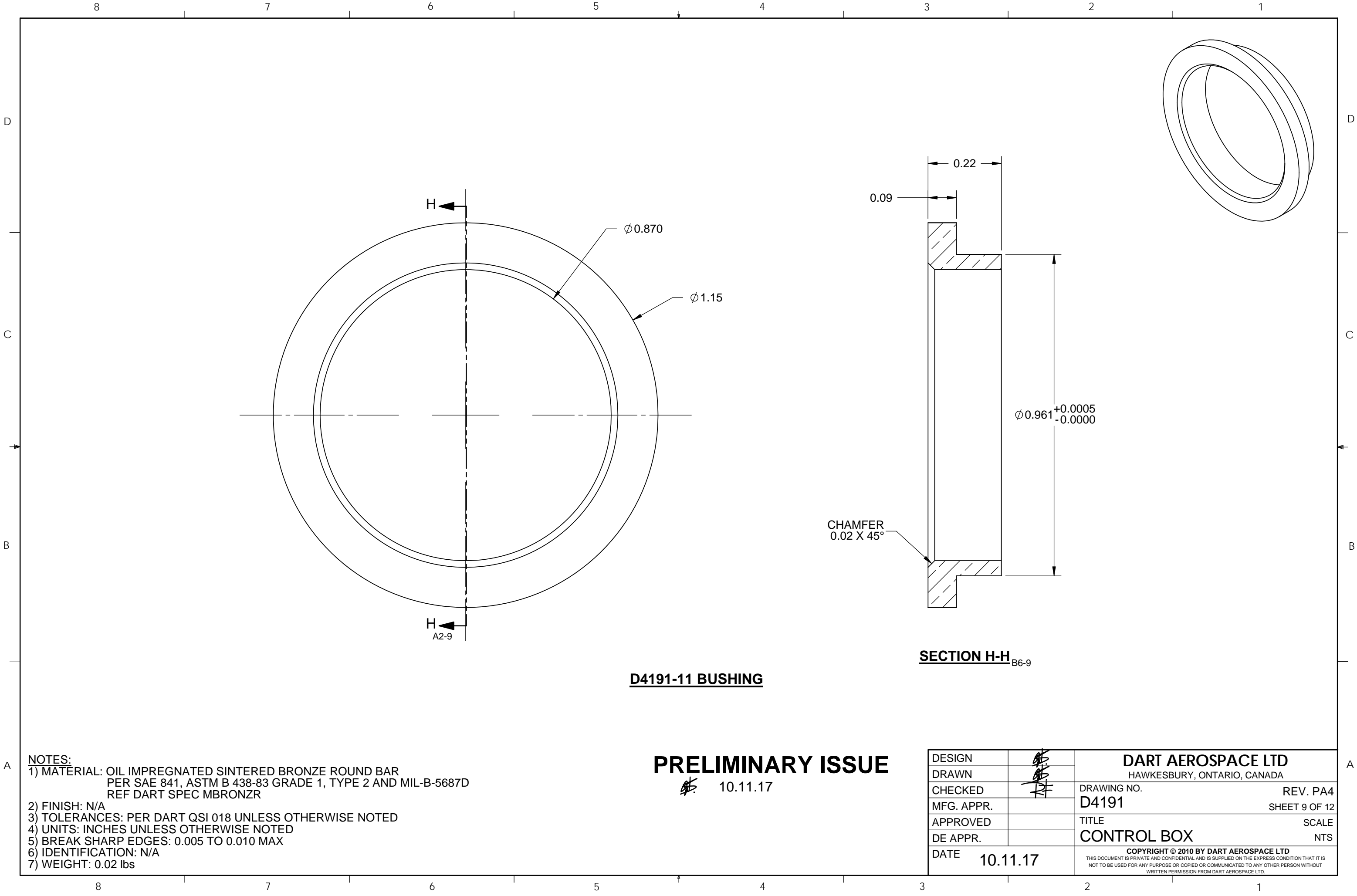
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. PA4
MFG. APPR.		D4191	SHEET 3 OF 12
APPROVED		TITLE	SCALE
DE APPR.	CONTROL BOX	NTS	
DATE		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	














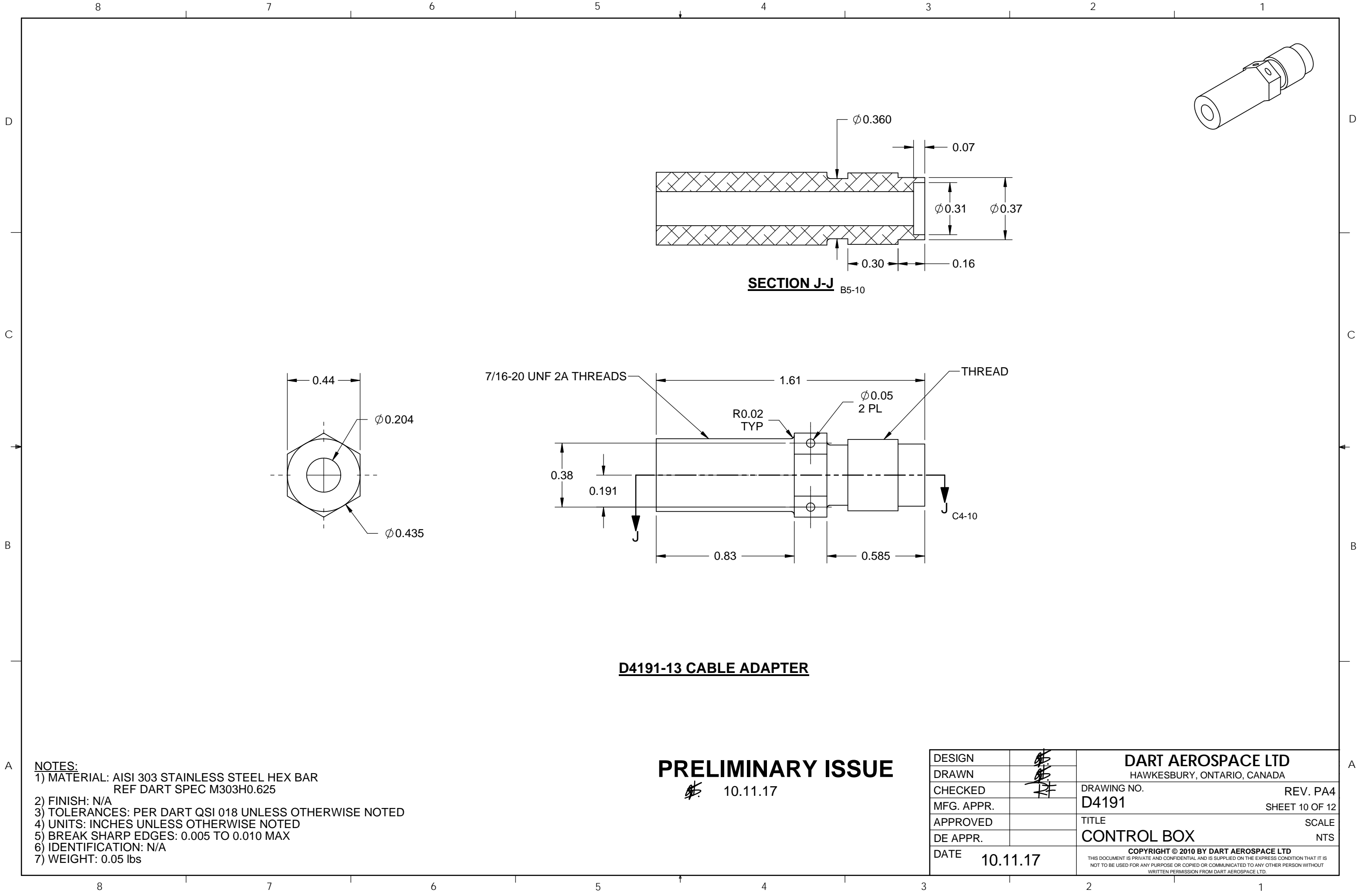
D4191-11 BUSHING

SECTION H-H B6-9

- NOTES:
- 1) MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR
PER SAE 841, ASTM B 438-83 GRADE 1, TYPE 2 AND MIL-B-5687D
REF DART SPEC MBRONZR
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.02 lbs

PRELIMINARY ISSUE
10.11.17

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. D4191	REV. PA4 SHEET 9 OF 12
MFG. APPR.			
APPROVED		TITLE CONTROL BOX	SCALE NTS
DE APPR.			
DATE	10.11.17	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



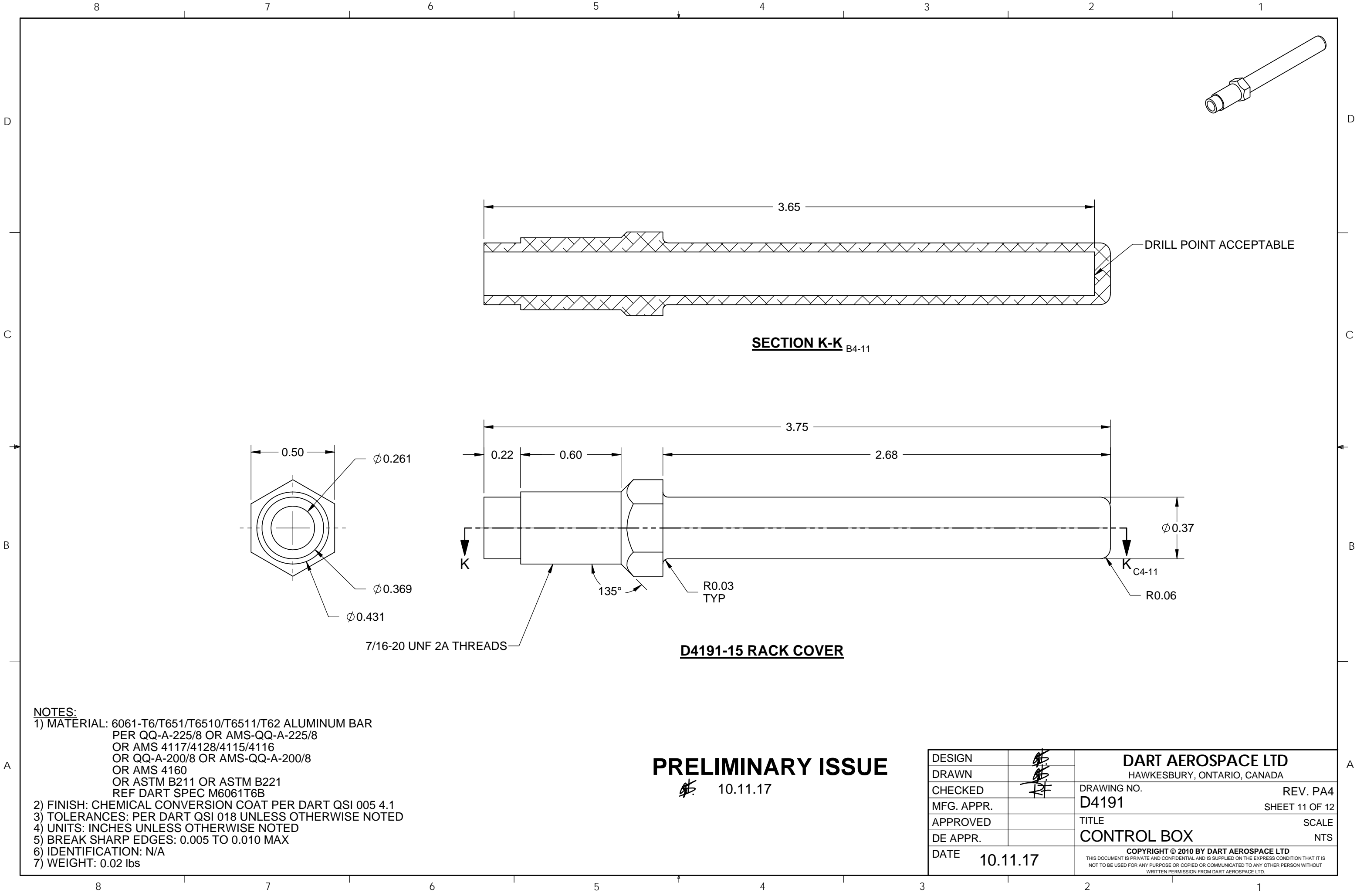
NOTES:

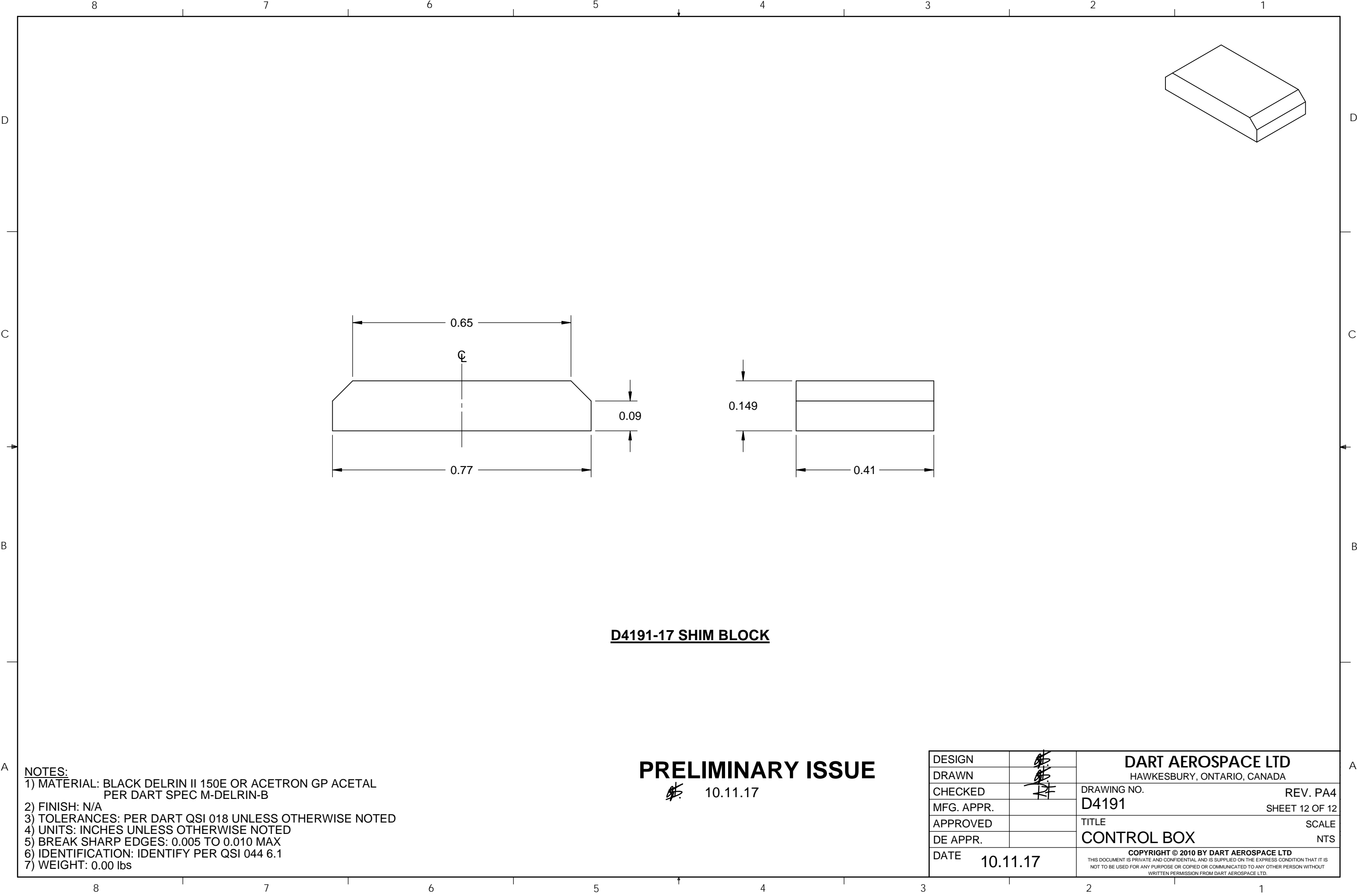
- 1) MATERIAL: AISI 303 STAINLESS STEEL HEX BAR
REF DART SPEC M303H0.625
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.05 lbs

PRELIMINARY ISSUE

10.11.17

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. D4191	REV. PA4
MFG. APPR.		SHEET 10 OF 12	
APPROVED		TITLE CONTROL BOX	SCALE NTS
DE APPR.		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	10.11.17		





D4191-17 SHIM BLOCK

PRELIMINARY ISSUE

10.11.17

- NOTES:
- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL PER DART SPEC M-DELRIN-B
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.00 lbs

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED		DRAWING NO. REV. PA4
MFG. APPR.		D4191 SHEET 12 OF 12
APPROVED		TITLE SCALE
DE APPR.		CONTROL BOX NTS
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